L Number	Hits	Search Text	DB	Time stamp
3	2	"5756279"	USPAT	2004/02/23
4	1052	optical and wave and radiation and (trichloroethylen or thrichloroethane or chloroform or bromoform or chlorodibromomethane or bromodichloromethane)	USPAT	2004/02/23 15:44
5	1214	·	USPAT	2004/02/23 15:44
6	266	· '	USPAT	2004/02/23 15:48
7	1	l	USPAT	2004/02/23
8	2	"5547877"	USPAT	2004/02/23 15:54
-	121	acoustic adj wave and electromagnetic adj radiation and optical and (saw or tsm or fpw or sh-apm)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/06 16:13
-	3	opto adj acoustic adj wave	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/24 20:12
	744	(polytetrafluoroethylen or polyvinyl adj chloride or pvc or polyvinyl adj alcohol or polyurethane or polyolefin or polyethylene or polypropylene or polycarbonate or polystyrene or polyamide or polyvinylidene adj fluoride or pvdf or polyarylsuphones or polyacrylonitrile or polyether or polyetherurethane or polyether adj thioether or polymethyl adj methacrylate or polyvinylpyrrolidone or polysiloxane or nylon or cellulose or copolymer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/24 20:16
_	905480	quartz adj crystal adj microbalance or qcm or thickness adj shear adj mode or tsm or surface adj acoustic adj wave ro saw	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/06 16:16
_	124036	quartz adj crystal adj microbalance or qcm or thickness adj shear adj mode or tsm or surface adj acoustic adj wave or saw	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/06 18:09
-	18858	(quartz adj crystal adj microbalance or qcm or thickness adj shear adj mode or tsm or surface adj acoustic adj wave or saw) and electrode	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/06 16:19
-	235	"14" and electromagnetic adj radiation	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/06 16:30
-	299	((quartz adj crystal adj microbalance or qcm or thickness adj shear adj mode or tsm or surface adj acoustic adj wave or saw) and electrode) and electromagnetic adj radiation	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/06 16:31
-	141	(((quartz adj crystal adj microbalance or qcm or thickness adj shear adj mode or tsm or surface adj acoustic adj wave or saw) and electrode) and electromagnetic adj radiation) and (mass or viscoelastic or delectric)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/06 16:33

Search History

2/23/04 4:51:17 PM

S (((quartz adj crystal adj microbalance or tram or surface adj acoustic adj wave or saw) and electrode) and electromagnetic adj radiation) and (viscoelastic or quart or thickness adj shear adj mode or tram or surface adj acoustic adj wave or adj radiation) and (viscoelastic or quart or thickness adj shear adj mode or tram or thickness adj shear adj mode or tram or polyvinyl adj acholoride or pvc or polyvinyl adj alcohol or pva or polyvetherwishme or polyvether or polyvetherwishme or polyvether or polyvacylentrile or polyvether or polyvetherwishme or polyvether or polyvetherwishme or polyvether or polyvetherwishme or polyvether or polyvetherwishme or polyvether or polyvinyl adj individe or pvc or quart of thickness adj shear adj mode or tram or surface adj acoustic adj wave or saw) and electrode) and electromagnetic adj radiation) and (polytetrafluoroethylene or polyminyl) adj alcohol or pva or polywinyl adj alcohol or pva or polyvinyl adj alcohol or pva or polyvarylacroethic or polyvinylacroethic or polyvarylacroethic or pvc or polyvaryla adj chloride or pvc or polyvaryla adj chloride or pvc or polyvarylacroethic or pvc or polyvarylacroethic or pva or pva or polyv					
107 (((quartz adj crystal adj microbalance or tsm or surface adj acoustic adj wave or saw) and electrode) and electromagnetic adj radiation) and ((polytetrafluoroethylene or ptfe or polyvinyl adj alcohol or pwa or polyuerhane or polyolefins or polyuerhane or polytarylsuphones or polyarylsuphones or polyarylsuphones or polyarylsuphones or polyservent or polysiloxane or nylon or cellulose or copolyment adj crystal adj microbalance or copolyminyl adj chloride or pwa or polyservent or polysiloxane or nylon or cellulose or copolyment adj crystal adj microbalance or saw) and electrode) and electromagnetic adj radiation) and (polytetrafluoroethylene or polyvinyl adj chloride or pwa or polyvinyl adj chloride or pwa or polywinyl adj alcohol or pwa or polywethane or polyolyethylene or polycarylonitrile or polystyrene or polycarylonitrile or polystyrene or polycarylonitrile or polytarylsuphones or polycarylonitrile or polytethylene or polycarylonitrile or polytarylsuphones or polysaryland adj methacrylate or polywinylypyrrolidone or polysiloxane or nylon or cellulose or copolymen? - 103 (((quartz adj crystal adj microbalance or quartica adj crystal adj microbalance or polysiloxane or nylon or cellulose or copolymen? - 103 (((quartz adj crystal adj microbalance or quartica adj acoustic adj wave or saw) and electrode) and electromagnetic adj finicether or poly adj methacrylate or polywer or polywinyl add chooride or pwa or polywinyl add alcohol or pwa or polywinyl add alcohol or pwa or polywerthane or polyderins or polywerthane or polyderins or polywerthane or	-	5	tsm or surface adj acoustic adj wave or saw) and electrode) and electromagnetic adj radiation) and (viscoelastic or	US-PGPUB; EPO; JPO;	, ,
107 (((quartz adj crystal adj microbalance or qcm or thickness adj shear adj mode or tsm or surface adj acoustic adj wave or saw) and electrode) and electromagnetic adj radiation) and (polytetrafluoroethylene or ptfe or polyvinyl adj chloride or pvc or polyvinyl adj chloride or pvc or polyvinyl adj chloride or pvc or polyvinyl adj alcohol or pva or polyacrbonate or polystyrene or polyacrbonate or polystyrene or polyacrylonitrile or polyacrylsuphones or polyacrylonitrile or polyether adj thioether or poly adj methyl adj methacrylate or polyvinylpyrrolidone or polysiloxane or nylon or cellulose or copolymer) 103 ((((quartz adj crystal adj microbalance or qcm or thickness adj shear adj mode or tsm or surface adj acoustic adj wave or saw) and electrode) and electromagnetic adj radiation) and (polytetrafluoroethylene or ptfe or polyvinyl adj chloride or pvc or polyvinyl adj alcohol or pva or polyurethane or polyolefins or polyacrylonitrile or polyarylsuphones or polyacrylonitrile or polyether or polyacrylonitrile or polyether or polyetherurethane or polyether or polyetherurethane or polyether adj thioether or poly adj methyl adj methacrylate or polyvinylpyrrolidone or polyetherurethane or polyytroplidone or polyetherurethane or polyether adj thioether or poly adj methyl adj methacrylate or polyvinylpyrrolidone or polyetherurethane or polyether adj thioether or poly adj methyl adj methacrylate or polyvinylpyrrolidone or polyetherurethane or polyether or polyetherurethane or polyether adj thioether or poly adj methyl adj methacrylate or polyvinylpyrrolidone or polyetherurethane or polyether adj thioether or poly adj methyl adj methacrylate or polyorinylpyrrolidone or polyetherurethane or polyether adj			(((quartz adj crystal adj microbalance or qcm or thickness adj shear adj mode or tsm or surface adj acoustic adj wave or saw) and electrode) and electromagnetic adj radiation) and (polytetrafluoroethylene or ptfe or polyvinyl adj chloride or pvc or polyvinyl adj alcohol or pva or polyurethane or polyolefins or polyentylene or polypropylene or polycarbonate or polystyrene or polyaminde or poly adj vinylidene adj fluoride or pvdf or poolyarylsuphones or polyacrylonitrile or polyether or polyether or polyether adj thioether or poly adj methyl adj methacrylate or polyvinylpyrrolidone or polysiloxane or nylon or cellulose or	US-PGPUB; EPO; JPO;	
polysiloxane or nylon or cellulose or copolymer) ((((quartz adj crystal adj microbalance or qcm or thickness adj shear adj mode or tsm or surface adj acoustic adj wave or saw) and electrode) and electromagnetic adj radiation) and (polytetrafluoroethylene or ptfe or polyvinyl adj chloride or pvc or polyvinyl adj alcohol or pva or polyurethane or polyolefins or polyehtylene or polystyrene or polycarbonate or polystyrene or polycaminde or poly adj vinylidene adj fluoride or pvdf or polyarylsuphones or polyacrylonitrile or polyether adj thioether or poly adj methyl adj methacrylate or polyvinylpyrrolidone or polysiloxane or nylon or cellulose or			(((quartz adj crystal adj microbalance or qcm or thickness adj shear adj mode or tsm or surface adj acoustic adj wave or saw) and electrode) and electromagnetic adj radiation) and (polytetrafluoroethylene or ptfe or polyvinyl adj chloride or pvc or polyvinyl adj alcohol or pva or polyurethane or polyolefins or polyurethane or polypropylene or polycarbonate or polystyrene or polyaminde or poly adj vinylidene adj fluoride or pvdf or polyarylsuphones or polyacrylonitrile or polyether or polyether urethane or polyether adj thioether or poly adj methyl adj	US-PGPUB; EPO; JPO;	
or assay\$4 or analy\$4 and test\$4 or measur\$4 or monitor\$4 or sense or sensor)		103	polysiloxane or nylon or cellulose or copolymer) ((((quartz adj crystal adj microbalance or qcm or thickness adj shear adj mode or tsm or surface adj acoustic adj wave or saw) and electrode) and electromagnetic adj radiation) and (polytetrafluoroethylene or ptfe or polyvinyl adj chloride or pvc or polyvinyl adj alcohol or pva or polyurethane or polyplefins or polyurethane or polypropylene or polycarbonate or polystyrene or polycarbonate or polystyrene or polyaminde or poly adj vinylidene adj fluoride or pvdf or polyarylsuphones or polyacrylonitrile or polyether or polyether or polyether adj thioether or poly adj methyl adj methacrylate or polyvinylpyrrolidone or polysiloxane or nylon or cellulose or copolymer)) and (detect\$5 or determin\$5 or assay\$4 or analy\$4 and test\$4 or	US-PGPUB; EPO; JPO;	

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	100		110000	1 2002 /12 /06
-	103	((((quartz adj crystal adj microbalance	USPAT;	2003/12/06
	,	or qcm or thickness adj shear adj mode or	US-PGPUB;	16:41
		tsm or surface adj acoustic adj wave or saw) and electrode) and electromagnetic	EPO; JPO; DERWENT	
		adj radiation) and	DEKWENI	
		(polytetrafluoroethylene or ptfe or		
		polyvinyl adj chloride or pvc or		
		polyvinyl adj alcohol or pva or		
		polyvinyl adj alcohol of pva of polyurethane or polyolefins or		
		polyehtylene or polypropylene or		
		polycarbonate or polystyrene or		
		polyaminde or polyadj vinylidene adj		
		fluoride or podf or polyarylsuphones or		
		polyacrylonitrile or polyether or		
		polyetherurethane or polyether adj		
		thioether or poly adj methyl adj		
•		methacrylate or polyvinylpyrrolidone or		
	1 1	polysiloxane or nylon or cellulose or		
		copolymer)) and (detect\$5 or determin\$5		
		or assay\$4 or analy\$4 and test\$4 or		
		measur\$4 or monitor\$4 or sens\$4 or		
		sensor)		
_	60	(((((quartz ad; crystal ad; microbalance	USPAT;	2003/12/06
		or gcm or thickness adj shear adj mode or	US-PGPUB;	16:42
		tsm or surface adj acoustic adj wave or	EPO; JPO;	'
		saw) and electrode) and electromagnetic	DERWENT	
		adj radiation) and		
		(polytetrafluoroethylene or ptfe or		
		polyvinyl adj chloride or pvc or		
		polyvinyl adj alcohol or pva or		
		polyurethane or polyolefins or		
		polyehtylene or polypropylene or		
		polycarbonate or polystyrene or		
		polyaminde or poly adj vinylidene adj		
		fluoride or pvdf or polyarylsuphones or		
		polyacrylonitrile or polyether or		
		polyetherurethane or polyether adj		
		thioether or poly adj methyl adj		
		methacrylate or polyvinylpyrrolidone or		
		polysiloxane or nylon or cellulose or		
		copolymer)) and (detect\$5 or determin\$5		
		or assay\$4 or analy\$4 and test\$4 or		
		measur\$4 or monitor\$4 or sens\$4 or		
		sensor)) and change and wavelength and		
		optical\$4	Hanna:	2002/12/26
_	60	(((((quartz adj crystal adj microbalance	USPAT;	2003/12/06
		or qcm or thickness adj shear adj mode or	US-PGPUB;	16:42
		tsm or surface adj acoustic adj wave or saw) and electrode) and electromagnetic	EPO; JPO; DERWENT	
		adj radiation) and	DEVADIAT	
		(polytetrafluoroethylene or ptfe or		
		polyvinyl adj chloride or pvc or		
		polyvinyl adj elicohol or pva or		
		polyurethane or polyolefins or		
		polyehtylene or polypropylene or		
		polycarbonate or polystyrene or		
		polyaminde or poly adj vinylidene adj		
		fluoride or pvdf or polyarylsuphones or		
		polyacrylonitrile or polyether or		
		polyetherurethane or polyether adj		
		thioether or poly adj methyl adj		
		methacrylate or polyvinylpyrrolidone or		
		polysiloxane or nylon or cellulose or		
		copolymer)) and (detect\$5 or determin\$5		
		or assay\$4 or analy\$4 and test\$4 or		
	1 1	measur\$4 or monitor\$4 or sens\$4 or		
	I .			1

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	59	((((((quartz adj crystal adj microbalance or qcm or thickness adj shear adj mode or tsm or surface adj acoustic adj wave or saw) and electrode) and electromagnetic adj radiation) and (polytetrafluoroethylene or ptfe or polyvinyl adj chloride or pvc or polyvinyl adj alcohol or pva or polyurethane or polyolefins or polyentylene or polypropylene or polycarbonate or polystyrene or polyaminde or poly adj vinylidene adj fluoride or pvdf or polyarylsuphones or polyacrylonitrile or polyether or polyetherurethane or polyether adj thioether or poly adj methyl adj methacrylate or polyvinylpyrrolidone or polysiloxane or nylon or cellulose or copolymer)) and (detect\$5 or determin\$5 or assay\$4 or analy\$4 and test\$4 or measur\$4 or monitor\$4 or sens\$4 or sensor)) and wavelength and optical\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/06 16:43
-	473	and (mass or viscoelastic or dielectric) "115" and coating	USPAT; US-PGPUB; EPO; JPO;	2003/12/06 16:43
	52	(((((((quartz adj crystal adj microbalance or qcm or thickness adj shear adj mode or tsm or surface adj acoustic adj wave or saw) and electrode) and electromagnetic adj radiation) and (polytetrafluoroethylene or ptfe or polyvinyl adj chloride or pvc or polyvinyl adj alcohol or pva or polyurethane or polyolefins or polyurethane or polypropylene or polycarbonate or polystyrene or polycarbonate or polystyrene or polyaminde or pvdf or polyarylsuphones or polyacrylonitrile or polyether or polyetherurethane or polyether adj thioether or poly adj methyl adj methacrylate or polyvinylpyrrolidone or polysiloxane or nylon or cellulose or copolymer)) and (detect\$5 or determin\$5 or assay\$4 or analy\$4 and test\$4 or measur\$4 or monitor\$4 or sens\$4 or sensor) and wavelength and optical\$4) and (mass or viscoelastic or dielectric)) and coating	DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/06 16:43
_	124036	quartz adj crystal adj microbalance or qcm or thickness adj shear adj mode or tsm or surface adj acoustic adj wave or saw	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/06 18:17
-	1	(quartz adj crystal adj microbalance or qcm or thickness adj shear adj mode or tsm or surface adj acoustic adj wave or saw) same electrode same electromagnetic same detect\$5 same change same chemical\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/06 18:10
-	12	(quartz adj crystal adj microbalance or qcm or thickness adj shear adj mode or tsm or surface adj acoustic adj wave or saw) same electrode same electromagnetic same detect\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/06 18:10
-	0	same detect\$5 111 and (transducer or electorde) and optical adj property	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/06 18:17





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-	5	ll1 and optical adj property	USPAT; US-PGPUB;	2003/12/06 18:17
			EPO; JPO;	10.17
			DERWENT	
-	964	(quartz adj crystal adj microbalance or	USPAT;	2003/12/06
		qcm or thickness adj shear adj mode or	US-PGPUB;	18:17
		tsm or surface adj acoustic adj wave or	EPO; JPO;	
	546	saw) and optical adj property ((quartz adj crystal adj microbalance or	DERWENT USPAT;	2003/12/06
	340	qcm or thickness adj shear adj mode or	US-PGPUB;	18:18
		tsm or surface adj acoustic adj wave or	EPO; JPO;	10.10
		saw) and optical adj property) and	DERWENT	
		(transducer or electrode)		
-	232	1 1 1 2 2 2	USPAT;	2003/12/06
		qcm or thickness adj shear adj mode or	US-PGPUB;	18:20
		tsm or surface adj acoustic adj wave or saw) and optical adj property) and	EPO; JPO; DERWENT	
		(transducer or electrode)) and	DEKWENI	
		(polytetrafluoroethylene or ptfe or		
		polyvinyl adj chloride or pvc or		·
		polyvinyl adj alcohol or pva or		
		polyurethane or polyolefins or		
		polyehtylene or polypropylene or		
	1	polycarbonate or polystyrene or polyaminde or poly adj vinylidene adj		
		fluoride or pvdf or poolyarylsuphones or		
		polyacrylonitrile or polyether or		
		polyetherurethane or polyether adj		
		thioether or poly adj methyl adj		
		methacrylate or polyvinylpyrrolidone or		
_	33	polysiloxane) ((((quartz adj crystal adj microbalance	USPAT;	2003/12/06
1		or qcm or thickness adj shear adj mode or	US-PGPUB;	18:20
		tsm or surface adj acoustic adj wave or	EPO; JPO;	
		saw) and optical adj property) and	DERWENT	
		(transducer or electrode)) and		
		(polytetrafluoroethylene or ptfe or	•	
		polyvinyl adj chloride or pvc or polyvinyl adj alcohol or pva or		
		polyurethane or polyolefins or		
		polyehtylene or polypropylene or		
		polycarbonate or polystyrene or		
		polyaminde or poly adj vinylidene adj		
		fluoride or pvdf or poolyarylsuphones or		
		polyacrylonitrile or polyether or polyetherurethane or polyether adj		
		thioether or poly adj methyl adj		
		methacrylate or polyvinylpyrrolidone or		
		polysiloxane)) and electromagnetic adj		
]	radiation		0004/00/70
-	30	first adj detector and second adj detector and electrode and wave and	USPAT; US-PGPUB;	2004/02/19
		acoustic and change and optical\$4	EPO; JPO;	14.33
	,	and officery i	DERWENT	
-	44	first adj detector and second adj	USPAT;	2004/02/19
		detector and electrode and wave and	US-PGPUB;	13:04
		acoustic and change and optical\$4	EPO; JPO;	
_	7	dotoctor noon change and detection	DERWENT	2004/02/10
	l ' '	detector near change and detector near optical and electrode and wave and	USPAT; US-PGPUB;	2004/02/19 13:08
		acoustic and change and optical\$4	EPO; JPO;	10.00
			DERWENT	
-	27	"4767719"	USPAT;	2004/02/19
			US-PGPUB;	13:17
			EPO; JPO;	
_	15104	indium adj tin adj oxide same electrode	DERWENT	2004/02/19
	13104	Indian adj tin adj oxide same electrode	USPAT; US-PGPUB;	2004/02/19 13:17
			EPO; JPO;	
			DERWENT	

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_	1552	indium adj tin adj oxide same electrode	USPAT;	2004/02/19
		and detect\$4 and optical and wavelength	US-PGPUB;	13:18
			EPO; JPO;	
			DERWENT	
-	829	indium adj tin adj oxide same electrode	USPAT;	2004/02/19
1		and detect\$4 and optical and wavelength	US-PGPUB;	13:19
		and radiation	EPO; JPO;	
			DERWENT	
_	73	(indium adj tin adj oxide same electrode	USPAT;	2004/02/19
		and detect\$4 and optical and wavelength	US-PGPUB;	14:13
		and radiation) and (422/\$ or 436/\$)	EPO; JPO;	11113
		and radiacion, and (122, 7 or 130, 7)	DERWENT	
1_	0	optical adj signal same acoust adj wave	USPAT;	2004/02/19
İ		adj signal	US-PGPUB;	14:13
		ad) Signar	1	14:13
			EPO; JPO;	
	3	optical adj signal same acoustic adj wave	DERWENT	2004/02/10
-	3		USPAT;	2004/02/19
		adj signal	US-PGPUB;	14:14
			EPO; JPO;	
			DERWENT	
_	25	optical adj signal and acoustic adj wave	USPAT;	2004/02/19
	1	adj signal	US-PGPUB;	14:20
			EPO; JPO;	
			DERWENT	
-	126	potyrailo	USPAT;	2004/02/19
			US-PGPUB;	14:20
			EPO; JPO;	i
			DERWENT	
_	16	potyrailo and sivavec	USPAT;	2004/02/19
			US-PGPUB;	15:25
			EPO; JPO;	
			DERWENT	
-	74		USPAT;	2004/02/19
		sh-apm or qcm) and electrode and	US-PGPUB;	15:31
		optical\$4 and (mass or viscoelastic or	EPO; JPO;	
		dielectric) and detector same optical	DERWENT	
		same change		
] -	213	422/82.01 and 422/82.05	USPAT;	2004/02/19
			US-PGPUB;	15:31
			EPO; JPO;	
			DERWENT	
-	21	422/82.01 and 422/82.05 and (saw or tsm	USPAT;	2004/02/19
		or fpw or qcm)	US-PGPUB;	15:43
		* * *	EPO; JPO;	- · · • •
			DERWENT	
_	3	"5756279"	USPAT;	2004/02/19
		· · · · · · · · ·	US-PGPUB;	15:43
			EPO; JPO;	10.10
			DERWENT	
			NEVACIAT	